

Product datasheet for **SC324288**

SOX30 (NM_178424) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOX30 (NM_178424) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOX30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_178424.1
 GGGGGAGGGATGACTAAAGACAACGGCTGTAAGAGAACTCCACAAGAGAGTCAGAACGAA
 AATGTGCAACAAGTGC GGCGGCTCCTACCATGGCAGGTGATTCGAGGACTCAGCACGAGG
 CGAGAGTAGGGACCAGGAAGAGCCGGAACCCGCCTGTGATTGGCCGTCCACGGGTATC
 GGTCGTTGTGATTGGGTGAGGCCAGACAGACAGCTGCGTTTTGAACCGGTAGGGTTCT
 GGGTAGCAAAGGCCTTGAAGGCTCTTAACCGAAAGGGGAGGGGGAAGTCCGCAACAA
 ACGGCTGAGCTACAATCCTGGCCGGGGCGTCCCCCTCCCCATGGAGAGAGCCAGACCC
 GAGCCGCGCCTCAGCCGCGCCGTTGCGTCCCGCTCCGCCCGCGCTGCCGGTCGAGGGC
 ACCTCCTTTTGGGCAGCAGCCATGGAGCCCCCTCCGTGCTCTCCCACTGAGCGCGCA
 GCCAGTGCGACCTTGGCCTCGTCGTGCGGGAGGCAGTGCGCTCCGGCTTACAGCCGCG
 GTGCGGCGGCTGCTGCAGGTGAAGCCAGAGCAGGTGTTGCTGCTACCACAGCCTCAGGCC
 CAGAACAGGAAGCCGCTGCCTCGTCCGCGCAGGCGCGGCTGTTGCAGTTCAGGCCCGAC
 CTGCGGCTCCTGCAGCCGCCGACAGCGTCAGACGGCGCCACCTCCAGGCCCGAGTTGCAC
 CCGGTGCAGCCCCCTGGCGCTGCATGTCAAGGCCAAGAAGCAGAAGCTGGGGCCAGCCTG
 GATCAGTCAGTGGGGCTCGAGGGGCGCTCGAAACCGGTCTAGAGCCTCCAGGGTGGTC
 AAGTTGGAAGGCCCGGGCCGCGCTCGCTACTTCCGAGGGGACGAGAAGGGCAAGCTG
 GAGGCGGAGGAGGTGATGAGAGACTCGATGCAAGGCGGGGAGGCAAAAGCCCGGAGCC
 ATCCGAGAAGGTGTGATCAAAACGGAGGAACCCGAGAGACTCCTCGAGGACTGCAGGCTC
 GGCGCGGAGCCCGCTCAATGGCTGGTTCATGGCAGCGCGAGGTGATCTTGGCCCCA
 ACGTCCGGTGCTTTGGGCCGACACAGCAAGACCTTAGGATCCCTTTGACGCTCCACAG
 GTCCCCCTGGGGCCCGGATCCAGTTTCAGGGAGCTCCGCTTCAGAGCTGATAAGATTG
 ACCAAGTCCCCCTGACACAGTGCCTACTAAAATGCAGTCCCTACTGGAGCCTTCTGTA
 AAAATTGAAACCAAGATGTCCCGCTCACCGTGTGCGCTCAGATGCAGGCATACAGAT
 ACTCCCTTCAGTAAGGACAGAAATGGTCATGTGAAGCGACCCATGAACGCATTTATGGTT
 TGGGAAGGATCCACCGACAGCACTAGCCAAAGCTAACCAGCAGCCAAACATGCAGAA
 ATCAGTGTCCAGCTTGGTTAGAGTGGAACAACTTAGTGAAGAACAAAGAAACCTAT
 TACGATGAAGCACAAAAGATTAAGGAAAAGCACAGAGAGGAATTCCTGGTTGGGTTTAT
 CAGCCTCGTCCAGGAAGCGAAAACGATTCCCTCTAAGTGTTCATATTTCTGGT
 ACCACAAAGATATCATCTCTACAAATCCTACAACAGTTTATCCTTACCGCTCACCTACG
 TACTCTGTGTAATTCCAGCCTACAGAATCCCATCACTCATCCAGTTGGTGAAACCTCA
 CCTGCTATCCAGCTGCCACACCTGCAGTCCAGAGCCCAAGCCCTGTCACTTTTCCAG
 CCCAGCGTCTCCAGTGCTGCTCAGGTGGCTGTCCAGGATCCAAGTCTACCTGTCTATCCA
 GCACTCCCAACCCACGCTTTACTGGGCTTCCCAAACAGACACTCATCAGCTGCATTCT
 GAAGCCACTCACACTGTGAAGCAACCCACTCCTGTCTCTCTAGAGAGCGCCAACAGGATT
 TCAAGTAGTGCAAGTACTGCCCATGCCAGATTTGCAACTTCGACCATCCAACCTCCTAGG
 GAGTATTCAGCGTTTCCCCTTGTCCAGAAAGTGTCCAATCCCCAGGCTTCTCCCAT
 CCACACCCACATGTCTACCAGCCCCCTCCCCTTGGCCATCCAGCCACACTGTTCCGGACA
 CCACCAAGATTCTCTTTTCATCACCTTACTTCTACCCGACCTCACTACTTCCCATCA
 AGTACATGCCCTTACAGTCGGCTCCCTTTGGCTATGGAATTTTCCGAGTTCAATGCCA
 GAATGCCTTAGTTATTATGAAGACAGGTACCCAAACATGAGGGTATCTTTTCAACTTTA
 AATAGAGACTATTCTTTAGAGACTACTCAAGTGAATGCACACAGTGAATTTCTCGG
 AGTTGTGAGAACATGAATGGAATCTTACTATAACAGTCATAGCCACAGTGGGAAGAA
 AACTTAAACCTGTGCCTCAGCTGGACATTGGAACCTTGAGAATGTCTTACAGCCCCG
 ACATCAACTCTTCTAGCATCCAGCAAGTCAATGTACCCGACAGTGATGAGGAGGAAGAA
 GAAAAAGTGCTCAGGGATTTATAATTTTAAACAAATATGCACAGAAAAATAACATTTCT
 TAAATATAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_178424

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_178424.1</u> , <u>NP_848511.1</u>
RefSeq Size:	3280 bp
RefSeq ORF:	2262 bp
Locus ID:	11063
UniProt ID:	<u>O94993</u>
Cytogenetics:	5q33.3
Gene Summary:	This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein acts as a transcriptional regulator when present in a complex with other proteins. It can activate p53 transcription to promote tumor cell apoptosis in lung cancer. The protein may be involved in the differentiation of developing male germ cells. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Apr 2015] Transcript Variant: This variant (1, also known as type I) represents the longest transcript and encodes the longest isoform (a).